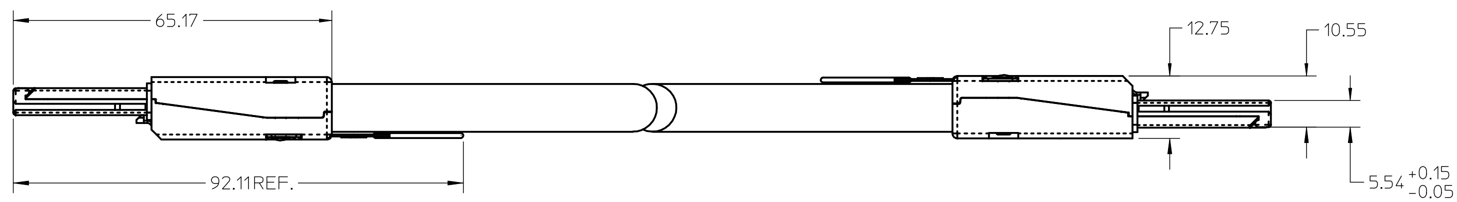
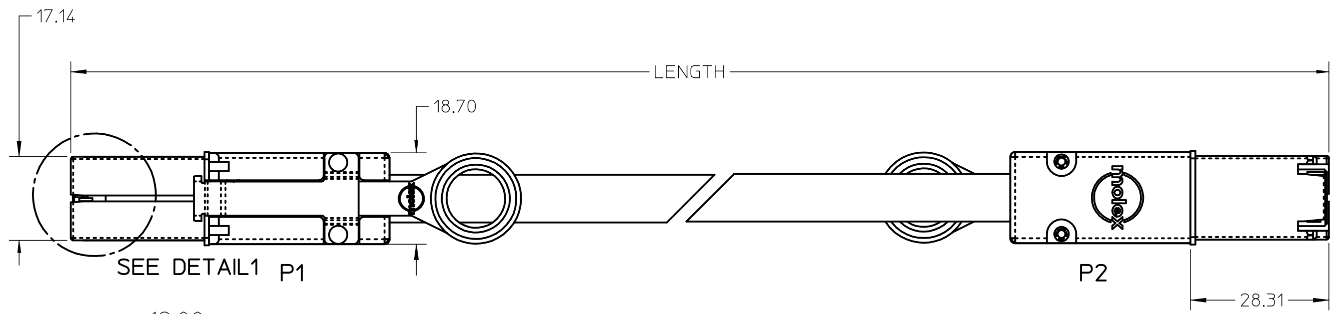
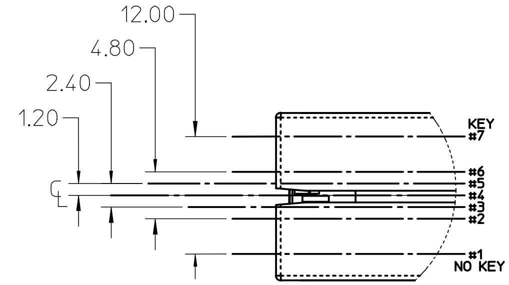
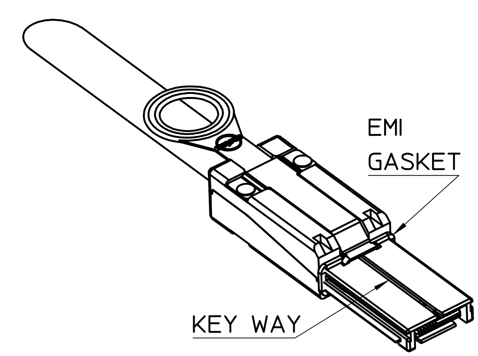
74547







DETAIL1
SCALE 2:1



IPASS[TM] IS A TRADEMARK OF MOLEX

NOTES:

1. MATERIAL=
   BACKSHELLS - ZINC DIECAST
   PULL - MOLDED PLASTIC
2. LENGTH= SEE TABLE
3. ELECTRICAL PERFORMANCE PER SERIAL ATTACH SCSI 1.1
4. PLUG MATES TO RECEPTACLE 75586 SERIES, AND EMI HOUSING ASSY, 74548-0100
5. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE (2002/95/EC)

REV	DESCRIPTION
Q	ADDED P/N 0311 EC NO: USY2010-0570 2010/05/24 DRWN:JERWIN 2010/05/24 CH'KD:BSCHOESTER 2010/05/24 APPR:DDOYE 2010/06/08

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY	SCALE: 1:1	DESIGN UNITS: METRIC
DRAWN BY: KPHILLIPS	DATE: 2005/28/07	
CHECKED BY: BREED	DATE: 2005/28/07	
APPROVED BY: DDOYE	DATE: 2005/28/07	
MATERIAL NO.: SEE CHART	DOCUMENT NO.: SD-74547-100	SHEET NO.: 1 OF 4

THIRD ANGLE PROJECTION

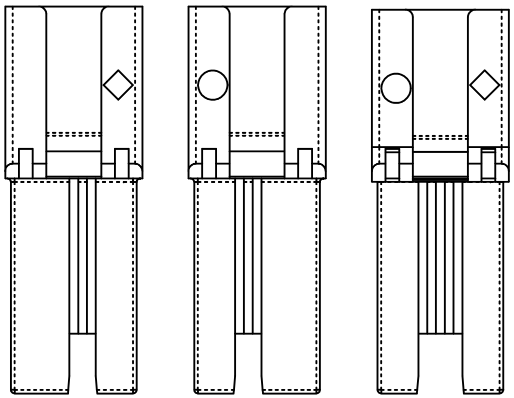
TITLE: I-PASS 26 CKT EXTERNAL CABLE ASSEMBLY, PLUG TO PLUG

MOLEX INCORPORATED

SIZE B

tb_frame_B_P_AM_T
Rev. E 2006/04/15

KEYING IDENTIFIER
SAS



4,2
TABLE
ROUTING

6,4
SUBTRACTIVE
ROUTING

6,4,2
UNIVERSAL
KEY

MATERIAL NUMBER	DESCRIPTION	GAUGE	LENGTH	TOLERANCE	KEY	IDENTIFIER
745470101	X4 SAS CABLE ASSEMBLY	28 AWG	1M	±.03	2,4	TABLE ROUTING (OUT PORT), SAS
745470102	X4 SAS CABLE ASSEMBLY	28 AWG	2M	±.03	2,4	TABLE ROUTING (OUT PORT), SAS
745470103	X4 SAS CABLE ASSEMBLY	28 AWG	3M	±.06	2,4	TABLE ROUTING (OUT PORT), SAS
745470104	X4 SAS CABLE ASSEMBLY	28 AWG	4M	±.06	2,4	TABLE ROUTING (OUT PORT), SAS
745470105	X4 SAS CABLE ASSEMBLY	26 AWG	5M	±.09	2,4	TABLE ROUTING (OUT PORT), SAS
745470106	X4 SAS CABLE ASSEMBLY	24 AWG	6M	±.09	2,4	TABLE ROUTING (OUT PORT), SAS
745470107	X4 SAS CABLE ASSEMBLY	24 AWG	7M △	±.12	2,4	TABLE ROUTING (OUT PORT), SAS
745470108	X4 SAS CABLE ASSEMBLY	24 AWG	8M △	±.12	2,4	TABLE ROUTING (OUT PORT), SAS
745470109	X4 SAS CABLE ASSEMBLY	28 AWG	0.25M	±.03	2,4	TABLE ROUTING (OUT PORT), SAS
745470110	X4 SAS CABLE ASSEMBLY	28 AWG	0.5M	±.03	2,4	TABLE ROUTING (OUT PORT), SAS
745470201	X4 SAS CABLE ASSEMBLY	28 AWG	1M	±.03	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470202	X4 SAS CABLE ASSEMBLY	28 AWG	2M	±.03	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470203	X4 SAS CABLE ASSEMBLY	28 AWG	3M	±.06	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470204	X4 SAS CABLE ASSEMBLY	28 AWG	4M	±.06	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470205	X4 SAS CABLE ASSEMBLY	26 AWG	5M	±.09	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470206	X4 SAS CABLE ASSEMBLY	24 AWG	6M	±.09	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470207	X4 SAS CABLE ASSEMBLY	24 AWG	7M △	±.12	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470208	X4 SAS CABLE ASSEMBLY	24 AWG	8M △	±.12	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470209	X4 SAS CABLE ASSEMBLY	28 AWG	0.25M	±.03	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470210	X4 SAS CABLE ASSEMBLY	28 AWG	0.5M	±.03	4,6	SUBTRACTIVE ROUTING (IN PORT), SAS
745470301	X4 SAS CABLE ASSEMBLY	28 AWG	1M	±.03	2,4,6	UNIVERSAL KEY, SAS
745470302	X4 SAS CABLE ASSEMBLY	28 AWG	2M	±.03	2,4,6	UNIVERSAL KEY, SAS
745470303	X4 SAS CABLE ASSEMBLY	28 AWG	3M	±.06	2,4,6	UNIVERSAL KEY, SAS
745470304	X4 SAS CABLE ASSEMBLY	28 AWG	4M	±.06	2,4,6	UNIVERSAL KEY, SAS
745470305	X4 SAS CABLE ASSEMBLY	26 AWG	5M	±.09	2,4,6	UNIVERSAL KEY, SAS
745470306	X4 SAS CABLE ASSEMBLY	24 AWG	6M	±.09	2,4,6	UNIVERSAL KEY, SAS
745470307	X4 SAS CABLE ASSEMBLY	24 AWG	7M △	±.12	2,4,6	UNIVERSAL KEY, SAS
745470308	X4 SAS CABLE ASSEMBLY	24 AWG	8M △	±.12	2,4,6	UNIVERSAL KEY, SAS
745470309	X4 SAS CABLE ASSEMBLY	28 AWG	0.25M	±.03	2,4,6	UNIVERSAL KEY, SAS
745470310	X4 SAS CABLE ASSEMBLY	28 AWG	0.5M	±.03	2,4,6	UNIVERSAL KEY, SAS
745470311	X4 SAS CABLE ASSEMBLY	30 AWG	0.5M	±.03	2,4,6	UNIVERSAL KEY, SAS
745470350	X4 SAS CABLE ASSEMBLY	24 AWG	10M △	±.15	2,4,6	UNIVERSAL KEY, SAS

MATERIAL NUMBER	DESCRIPTION	GAUGE	LENGTH	TOLERANCE	KEY P1 - P2	IDENTIFIER
745470119	X4 SAS CABLE ASSEMBLY	28 AWG	0.5M	±.03	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470120	X4 SAS CABLE ASSEMBLY	28 AWG	1M	±.03	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470121	X4 SAS CABLE ASSEMBLY	28 AWG	2M	±.06	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470122	X4 SAS CABLE ASSEMBLY	28 AWG	3M	±.06	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470123	X4 SAS CABLE ASSEMBLY	28 AWG	4M	±.03	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470124	X4 SAS CABLE ASSEMBLY	26 AWG	5M	±.09	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)
745470125	X4 SAS CABLE ASSEMBLY	24 AWG	6M	±.09	2,4-4,6	SAS, TABLE ROUTING (OUT PORT), TO SUBSTRACTIVE ROUTING (IN PORT)

△ – NOT COMPLIANT WITH INSERTION LOSS SPEC PER SAS 1.1

IPASS™ IS A TRADEMARK OF MOLEX

REV	DESCRIPTION
Q	ADDED P/N 0311 EC NO: USY2010-0570 DRWN:JERWIN 2010/05/24 CH'KD:BSCHOESTER 2010/05/24 APPR:DDOYE 2010/06/08

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---
ANGULAR ±1/2°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

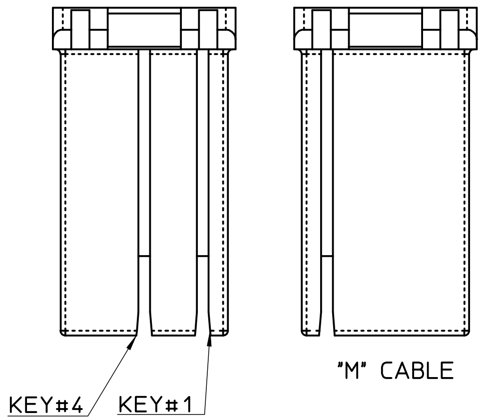
DIMENSION STYLE: MM ONLY
SCALE: 1:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: KPHILLIPS DATE: 2005/28/07
CHECKED BY: BREED DATE: 2005/28/07
APPROVED BY: DDOYE DATE: 2005/28/07

TITLE: I-PASS 26 CKT EXTERNAL CABLE ASSEMBLY, PLUG TO PLUG

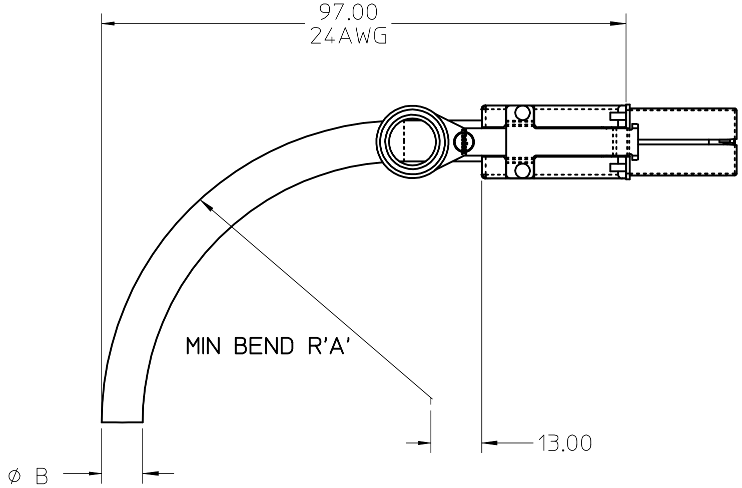
MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74547-100
SHEET NO.: 2 OF 4
SIZE: B



MATERIAL NUMBER	DESCRIPTION	GAUGE	LENGTH	TOLERANCE	KEY	IDENTIFIER
745470001	X4 SATA CABLE ASSEMBLY	28 AWG	1M	±.03	1,4	X CABLE, SATA
745470002	X4 SATA CABLE ASSEMBLY	28 AWG	2M	±.03	1,4	X CABLE, SATA
745470003	X4 SATA CABLE ASSEMBLY	28 AWG	3M	±.06	1,4	X CABLE, SATA
745470004	X4 SATA CABLE ASSEMBLY	28 AWG	4M	±.06	1,4	X CABLE, SATA
745470005	X4 SATA CABLE ASSEMBLY	26 AWG	5M	±.09	1,4	X CABLE, SATA
745470006	X4 SATA CABLE ASSEMBLY	24 AWG	6M	±.09	1,4	X CABLE, SATA
745470007	X4 SATA CABLE ASSEMBLY	24 AWG	7M△	±.12	1,4	X CABLE, SATA
745470008	X4 SATA CABLE ASSEMBLY	24 AWG	8M△	±.12	1,4	X CABLE, SATA
745470009	X4 SATA CABLE ASSEMBLY	28 AWG	0.25M	±.03	1,4	X CABLE, SATA
745470011	X4 SATA CABLE ASSEMBLY	28 AWG	0.5M	±.03	1,4	X CABLE, SATA
745470401	X4 SATA CABLE ASSEMBLY	28 AWG	1M	±.03	7	M CABLE, SATA
745470402	X4 SATA CABLE ASSEMBLY	28 AWG	2M	±.03	7	M CABLE, SATA
745470403	X4 SATA CABLE ASSEMBLY	28 AWG	3M	±.06	7	M CABLE, SATA
745470404	X4 SATA CABLE ASSEMBLY	28 AWG	4M	±.06	7	M CABLE, SATA
745470405	X4 SATA CABLE ASSEMBLY	26 AWG	5M	±.09	7	M CABLE, SATA
745470406	X4 SATA CABLE ASSEMBLY	24 AWG	6M	±.09	7	M CABLE, SATA
745470407	X4 SATA CABLE ASSEMBLY	24 AWG	7M	±.12	7	M CABLE, SATA
745470408	X4 SATA CABLE ASSEMBLY	24 AWG	8M	±.12	7	M CABLE, SATA
745470409	X4 SATA CABLE ASSEMBLY	28 AWG	0.25M	±.03	7	M CABLE, SATA
745470410	X4 SATA CABLE ASSEMBLY	28 AWG	0.5M	±.03	7	M CABLE, SATA

△ - NOT COMPLIANT WITH INSERTION LOSS SPEC PER 1.1.



CABLE	A	B
24AWG	41.6	10.40
26AWG	37.2	9.30
28AWG	33.6	8.40

IPASS™ IS A TRADEMARK OF MOLEX

REV	DESCRIPTION
Q	ADDED P/N 0311 EC NO: USY2010-0570 2010/05/24 DRWN:JERWIN 2010/05/24 CH'KD:BSCHOESTER 2010/06/08 APPR:DDOYE

QUALITY SYMBOLS: ▼=0, Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

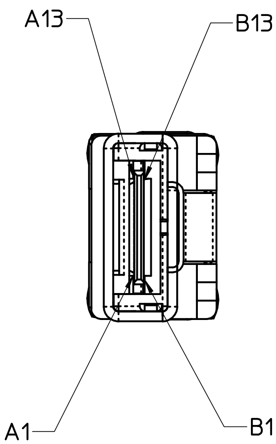
DIMENSION STYLE: MM ONLY | SCALE: 1:1 | DESIGN UNITS: METRIC | THIRD ANGLE PROJECTION

DRAWN BY: KPHILLIPS DATE: 2005/28/07
CHECKED BY: BREED DATE: 2005/28/07
APPROVED BY: DDOYE DATE: 2005/28/07

TITLE: I-PASS 26 CKT EXTERNAL CABLE ASSEMBLY, PLUG TO PLUG

molex MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74547-100
SHEET NO.: 3 OF 4
SIZE: B



P1 Signal	P1 Pin		P2 Pin	P2 Signal
GND	A1	—	B1	GND
Rx 0+	A2	◄	B2	Tx 0+
Rx 0-	A3	◄	B3	Tx 0-
GND	A4	—	B4	GND
Rx 1+	A5	◄	B5	Tx 1+
Rx 1-	A6	◄	B6	Tx 1-
GND	A7	—	B7	GND
Rx 2+	A8	◄	B8	Tx 2+
Rx 2-	A9	◄	B9	Tx 2-
GND	A10	—	B10	GND
Rx 3+	A11	◄	B11	Tx 3+
Rx 3-	A12	◄	B12	Tx 3-
GND	A13	—	B13	GND
GND	B1	—	A1	GND
Tx 0+	B2	►	A2	Rx 0+
Tx 0-	B3	►	A3	Rx 0-
GND	B4	—	A4	GND
Tx 1+	B5	►	A5	Rx 1+
Tx 1-	B6	►	A6	Rx 1-
GND	B7	—	A7	GND
Tx 2+	B8	►	A8	Rx 2+
Tx 2-	B9	►	A9	Rx 2-
GND	B10	—	A10	GND
Tx 3+	B11	►	A11	Rx 3+
Tx 3-	B12	►	A12	Rx 3-
GND	B13	—	A13	GND

P1 / P2

IPASS^{TM} IS A TRADEMARK OF MOLEX

REV	DESCRIPTION
Q	ADDED P/N 0311 EC NO: USY2010-0570 DRWN:JERWIN 2010/05/24 CH'KD:BSCHOESTER 2010/05/24 APPR:DDOYE 2010/06/08

QUALITY SYMBOLS
▼=0
(C)=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.13	± ---
1 PLACE	± 0.25	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	SCALE	DESIGN UNITS	
MM ONLY	1:1	METRIC	THIRD ANGLE PROJECTION

		DATE
DRAWN BY	KPHILLIPS	2005/28/07
CHECKED BY	BREED	2005/28/07
APPROVED BY	DDOYE	2005/28/07

MATERIAL NO. SEE TABLE

TITLE: I-PASS 26 CKT EXTERNAL CABLE ASSEMBLY, PLUG TO PLUG

molex MOLEX INCORPORATED

DOCUMENT NO. SD-74547-100

SHEET NO. 4 OF 4

SIZE B